



## PPE Safety Solutions

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# 3M™ Particulate Respirator 8514, N95, with Nuisance Level Organic Vapor Relief 80/cs

3M ID 70070843886    UPC# 50051138662993    3M Product Number 8514



This disposable N95 particulate welding respirator features a carbon layer and the 3M™ Cool Flow™ Valve. It is designed for applications where metal fumes are present including those with ozone\* and nuisance level organic vapors\*\*.

### Benefits

- Use in certain applications involving metal fumes
- Cake resistant filter media and flame resistant per ASTM D2859
- Carbon filter layer reduces exposure to nuisance level odors
- 3M™ CoolFlow™ Valve
- Soft nose foam; adjustable noseclip and straps



\* 3M recommended for ozone protection up to 10 times the OSHA PEL or applicable government occupational exposure limits, whichever is lower. Not NIOSH approved for use against ozone.  
\*\*3M recommended for relief against nuisance levels of organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower.

- Overview
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The lightweight, disposable N95 particulate respirator is designed to help provide respiratory protection for applications such as welding, soldering and other operations in which metal fumes may be present. 3M uses a variety of innovative technologies and features to help you meet your respiratory protection and comfort needs. The specially designed cake-resistant filter media provides longer respirator life. The respirator incorporates 3M's proprietary technology with advanced electrostatically charged microfiber filter media, designed for ease of breathing. The proprietary 3M™ Cool Flow™ Exhalation Valve reduces heat build up inside the respirator to help keep the wearer more comfortable. These combined features, along with the fully adjustable straps are designed to help enhance user comfort and may increase wearability.

- N95 Approved filtering facepiece particulate respirator for certain non-oil based particles
- 3M™ Cool Flow™ Exhalation Valve
- Cake-resistant filter media
- Flame resistant per ASTM D2859
- Carbon filter for ozone\* and nuisance level organic vapors\*\*
- Compatible with a variety of protective eyewear and hearing protection
- Adjustable noseclip reduces potential for eyewear fogging and helps ensure a better seal and fit.
- Fully adjustable headstraps help provide a secure fit.

- Suggested applications: Welding, torch cutting, brazing, soldering, metal pouring, working with stainless, galvanized or aluminum. \* 3M recommended for

• Suggested applications: welding, torch cutting, brazing, soldering, metal pouring, working with stainless, galvanized or aluminum. ~ 3M recommended for ozone protection up to 10 times the OSHA PEL or applicable government occupational exposure limits, whichever is lower. Not NIOSH approved for use against ozone. \*\* 3M recommended for relief against nuisance levels of organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower. WARNING: These respirators help reduce exposures to certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. In the U.S., a written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For proper use, see package instructions, supervisor, or call 3M OH&ESD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

Specifications

|                                           |                                                                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aerosol Type                              | Non-Oil                                                                                                                                                      |
| Braided Comfort Strap                     | Yes (Wide)                                                                                                                                                   |
| Exhalation Valve                          | Yes                                                                                                                                                          |
| Face Seal / Nosefoam                      | Nosefoam                                                                                                                                                     |
| FDA Cleared                               | No                                                                                                                                                           |
| Flame Resistance (ASTM D2859-96)          | Yes                                                                                                                                                          |
| Fluid Resistant (ASTM F1862)              | N/A                                                                                                                                                          |
| Individually Wrapped                      | No                                                                                                                                                           |
| Mission Type                              | Aircraft, Ships, Vehicles                                                                                                                                    |
| Natural Rubber Latex Components           | No                                                                                                                                                           |
| NIOSH Approval Number                     | TC-84A-0454                                                                                                                                                  |
| Nuisance Odor Relief (< OSHA PEL)         | Organic Vapors / Ozone                                                                                                                                       |
| Operation Type                            | Facility Safety, Maintenance, Repair & Operations, Overhaul                                                                                                  |
| Ozone (3M Recommended up to 10X OSHA PEL) | Yes                                                                                                                                                          |
| Product Type                              | Nuisance Odors, Welding Fumes                                                                                                                                |
| Recommended Application                   | Assembly, Cleaning, Demolition, Facility Maintenance, Grinding, Machine Operations, Sanding, Welding                                                         |
| Recommended Industry                      | Automotive, Construction, Manufacturing, Metal Production & Fabrication, Military Maintenance, Repair and Operation (MRO), Mining, Oil & Gas, Transportation |
| Respirator Style                          | Cup                                                                                                                                                          |
| Size                                      | Standard                                                                                                                                                     |
| Strap Attachment Type                     | Adjustable Buckle                                                                                                                                            |

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